

MAJEWSKA, Magdalena; MIAZEK, Urszula; STASZEWSKA, Halina; TUSZKIEWICZ,
Ewa; WASAK, Henryk

Analysis of the morbidity and clinical picture of leukemia in
children in 1949-1961. Pol. tygod. lek. 19 no.47:1813-1815
23 N°64

1. Z II Kliniki Pediatricznej Akademii Medycznej w Lublinie
(kierownik: doc. dr. med. A. Gebala).

EXCERPTA MEDICA Sec 4 Vol 12/11 Med. Micro. Nov 59....

3602. INVESTIGATIONS ON INCOMPLETE ANTIBODIES DURING BRUCELLA
INFECTIONS - Tuazkiewicz M. Dept. of Med. Microbiol., Med. Acad.,
Lublin (Poland) - Z. IMMUN.-FORSCH. 1959, 117/4 (281-283) Tables 3
The performance of blocking and Coombs test in Brucella infection is necessary
if the Wright test is negative.

TUSZKIEWICZ, Maria

On immunological tolerance. Pcl. tyg.lek. 18 no.48:1817-1820
25 N°63

1. Z Katedry Mikrobiologii Lekarskiej AM w Lublinie; kierownik:
prof.dr. J.Parnas.

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KOWALEWSKI, Jan; TUSZKIEWICZ, Maria; GUTKA, Anna; PLESZCZYNSKA, Ewa

Ampicillin -- a wide-spectrum penicillin in the treatment of urinary tract infection. Pol. tyg. lek. 20 no.40:1504-1506 4 0 '65.

1. Z II Kliniki Chorob Wewnętrznych AM w Lublinie (Kierownik: prof. dr. med. A.R. Tuszkiewicz) i z Zakładu Mikrobiologii AM w Lublinie (Kierownik: prof. dr. J. Parnas).

TUSZKIEWICZ, M.

The influence of infection of a PR8 influenza virus into newborn mice on their immunological response in mature life. Acta virol. (Praha) [Eng] 9 no.3:219-223 My'65.

1. Department of Microbiology and the Laboratory of Electron Microscopy of the Medical Academy, Lublin, Poland.

DMOWSKI, Gustaw; TUSZKIEWICZ, Maria; BEDNARZEWSKI, Janusz;
MARDAROWICZ, Czesław

Experience in the clinical evaluation of the preparation
"Tetracyklinum basicum" (produced by the Tarchomin Pharmaceutical
Plant). Pol. tyg. lek. 18 no.37:1386-1390 9 S '63.

1. Z I Kliniki Chorob Wewnętrznych AM w Lublinie; kierownik:
prof. dr med. Mieczysław Kedra i z Katedry Mikrobiologii
Lekarskiej AM w Lublinie; kierownik: prof. dr Józef Parnas.
(TETRACYCLINE) (BRONCHOPNEUMONIA) (PNEUMONIA)
(LUNG ABSCESS) (BRONCHITIS)
(ENDOCARDITIS, SUBACUTE BACTERIAL)
(FURUNCULOSIS) (SEPTICEMIA) (PYELOCYSTITIS)

TUSZKIEWICZ, Maria; SZKUTNIK, Maria; SARNIECKA, Barbara

Bentonite reaction in the diagnosis of rheumatic diseases.
Pol. tyg. lek. 19 no.28:1104 - 1106 13 - 20 J1'64

1. Z Katedry Mikrobiologii Lekarskiej (kierownik: prof. dr. J. Parnas) i z II Kliniki Chorob Wewnętrznych Akademii Medycznej w Lublinie (kierownik: prof. dr. A.R. Tuszkiewicz).

POLAND

DMOWSKI, Gustaw, TUSZKIEWICZ, Maria, BEDNARZEWSKI, Janusz, and MARDAROWICZ, Czeslaw; First Clinic of Internal Diseases (I Klinika Chorob Wewnętrznych) (Director: Prof. Dr. med. Mieczysław KEDRA) and Department of Medical Microbiology (Zakład Mikrobiologii Lekarskiej) (Director: Prof. Dr. Józef PARNAS), both of the AM [Akademia Medyczna, Medical Academy] in Lublin

"Clinical Evaluation of Tetracyclinum basicum (Domestic)."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 37, 9 Sep 63; pp 1386-1390

Abstract: [Authors' English summary modified] Authors report the details of a clinical study on the effectiveness of Tetracyclinum basicum produced by the Pharmaceutical Factory Zakłady Farmaceutyczne) in Tarchomin, and compared it with that of aureo- and terramycin, and report their findings in five (5) tables. They conclude that tetracyclinum basicum is a valuable antibiotic, not worse than other antibiotics of the tetracycline group. There are 10 references: 4 Soviet, 4 Polish, 2 English.

1/1

EXCERPTA MEDICA Sec 6 Vol 12/5 Internal Med. May 59

2376. THE VALUE OF ANTISTREPTOLYSIN REACTION IN DIFFERENTIAL DIAGNOSIS OF JOINT DISEASES - Wartość odczynu antystreptolizynowego w rozpoznaniu różnicowym chorób stawów - Tuszkiewiczowa M., Wysokiński Z. and Chariasz S. Zakł. Mikrobiol. Lek., Akad. Med., Lublin - POL. ARCH. MED. WEWNĘT. 1958, 28/2 (209-214) Graphs 2 Tables 1

The antistreptolysin level in the blood was determined in 360 persons with diseases in relation to streptococcal infection (rheumatic disease, angina, bronchitis) and with joint diseases of another origin (rheumatoid arthritis, osteoarthritis). In a similar way 120 healthy persons were examined. The mean level of antistreptolysins in healthy persons amounts to 90 U./ml. on the average; it is higher in children in the age of 5-10 yr. than in adults. In rheumatic disease the antistreptolysin level is increasing in children, on the average to 560 U./ml. and in adults to 350 U./ml. In diseases of the joints not connected with the streptococcal infection, the antistreptolysin content in the blood amounts to 120 U./ml. on the average. As the borderline values of the described reaction sometimes show considerable oscillations, they should be evaluated very cautiously, in close connection with the results of other clinical tests.

(VI, 19)

TUSZKIEWICZ, Maria; DOLEZKO, Halina; GRZYBEK, Danuta

Comparative studies on the antibiotic resistance with the aid of a diffusion method on agar from mixed and isolated strains. Pol. tyg. lek. 17 no.40:1552-1555 1 0 '62.

1. Z Katedry Mikrobiologii Lekarskiej Akademii Medycznej w Lublinie;
Kierownik: prof. dr J. Parnas.

(DRUG RESISTANCE MICROBIAL) (ANTIBIOTICS) (AGAR)

L 25533-66 T JK

ACC NR: AP6016400

(A)

SOURCE CODE: GE/0038/65/019/004/1095/1102

AUTHOR: Parnas, Josef (Professor; Doctor; Director; Lublin); Zalichta, Stefania (Doctor; Lublin); Tuszkiewicz, Maria (Doctor; Lublin)

ORG: Institute of Medical Microbiology and Epidemiology, /directed by Prof., Dr. J. Parnas/, Polish Academy of Medicine, Lublin

TITLE: Phenomenon of brucella⁶ phage⁶ adsorption through chemical brucella substrates

SOURCE: Archiv fur experimentelle Veterinarmedizin, v. 19, no. 4, 1965, 1095-1102

TOPIC TAGS: bacteriophage, virology, bacteriology

ABSTRACT: Acetone substrates of three brucella species (Br. bovis, suis, melitensis) can exert specific inhibition on brucella phage activity. Acetone substrates of other bacterial species do not exert this inhibition. The specificity of this effect was confirmed by experiments with staphylococcus phages which were not inhibited by brucella substrates. The greatest inhibition was exerted by the substrate of Br. suis, the least by Br. melitensis. Inhibition was proportional to the dilution. It is considered probable that Br. melitensis strains contain an antigen substance in their cell wall which serves as receptor of the brucella phages. In the majority of the members this may be localized in the interest of the cells, and yet be potentially present. It seems possible that the dehydration of the cells with acetone and the drying process effects a shifting of these receptors closer to the cell wall. A differentiation of Br. species is not possible by means of this inhibition test since all three inhibit the Br. phage activity. Orig. art. has: 3 figures and 5 tables. /Based on authors' abst./ [JPRS]

SUB CODE: 06 / SUBM DATE: 21Dec64
Card 1/1

TUSZKO, Aleksander

Problems of coordination of scientific studies in Italy. Nauka
polska 11 no.2:131-135 Mr-Apr '63.

TUSZKO, Aleksander; CHASKIELEWICZ, Stefan

Problems concerning the planning and coordination of scientific research in Yugoslavia. Nauka polska 10 no.4:165-175 '62.

1. Osrodek Planowania i Koordynacji Badan Naukowych, Polska Akademia Nauk, Warszawa.

KOPINSKI, Jerzy; TUSZKO, Aleksander

From the problems of organizing and planning scientific research
in the U.S.S.R. Nauka polska 8 no.3:152-172 J1-S '60.

TUSZKO, Aleksander, prof.dr.inz.

The problem of water. Problemy 18 no.9:632-635 '62.

TUSZYNSKA, Barbara, ZAJACZKOWSKA, Jadwiga; KRAKOWKA, Pawel

The level of free INH in the blood serum during its simultaneous administration with 5-bromosalicylohydroxamic acid (T40). Gruzlica 32 no.2:149-154 F'64

1. Z Zakladu Mikrobiologii (Kierownik: doc.dr. M.Buraczewska);
z Oddzialu II (Kierownik: prof.dr. W.Jaroszewicz) i z Oddzialu
I (Kierownik: doc.dr. P. Krakowka) Instytutu Gruzlicy.

*

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara

Peknice test in the determination of tubercle bacilli. Gruzlica
28 no.11:863-871 N '60.

1. Z Zakladu Mikrobiologii Instytutu Gruzlicy w Warszawie.
Kierownik Zakladu: doc. dr M.Buraczewska; Dyrektor I.G.: prof.
dr med. W.Jaroszewicz.
(MYCOBACTERIUM TUBERCULOSIS)

POI,AND/Human and Animal Physiology (Normal and Pathological)
Metabolism. Vitamins.

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26295

Author : Tuszyńska, S., Myszkowska, K., Wozniak, W., Tautt, J.,
~~Lewandowska, K.~~

Inst : -

Title : The Influence of Sulfoguanidine on the Degree and
Sequence of Inhibition of Synthesis of Thiamin, Ribofla-
vin and Nicotinic Acid Amide in Rats Intestines

Orig Pub : Acta physiol. polon., 1957, 8, No 4, 727-737

Abstract : The influence of sulfoguanidine (I) on the synthesis of
vitamins B₁, B₂ and PP in the intestines of rats was
studied by determining the indicated vitamins in the
urine and liver of the animals. Inhibition of PP synthe-
sis took place fastest, then B₂; for decrease of B₁ syn-
thesis, higher doses of I were required. The smallest
content of indicated vitamins in urine was noted after

Card 1/2

- 18 -

- POLAND/Human and Animal Physiology (Normal and Pathological)
Metabolism. Vitamins:

T

Abs Jour : Ref Zhur Biol., No 6, 1959, 26295

the introduction of I in the amount of 0.1-0.175 g per
rat. With introduction of small doses of I after small
time intervals, the decrease of synthesis of vitamins in
the intestines was more significant than in introduction
of the whole dose at once.

Card 2/2

TUSZYNSKI, ADAM

Technology

Gazogeneratory samochodowe. Warszawa, Wydawn. Komunikacyjne, 1951. 195 p.
(Gas generators for automobiles)

Monthly List of East European Accessions (EEAI), Vol. 8, No. 3, March 1959
Unclass.

TUSZYNSKA, Barbara

Cytochemical and biochemical tests of acid-fast bacilli. Gruslica 30
no. 5:423-428 '62.

(MYCOBACTERIUM TUBERCULOSIS chem)

TUSZYNSKA, Barbara

Differentiation of acid-fast bacilli on thioglycolate medium and
by means of the cord factor. Gruslica 30 no.5:429-435 '62.
(MYCOBACTERIUM TUBERCULOSIS culture)

TUSZYNSKA, Barbara

Use of a quantitative test for the determination of nicotinic acid in differentiating acid-fast bacilli. Gruzlica 31 no.9: 955-958 '63.

1. Z Zakładu Mikrobiologii Instytutu Gruzlicy w Warszawie
Kierownik: doc. dr M. Buraczewska Dyrektor: dr med.
M. Juchniewicz.

(MYCOBACTERIUM) (NICOTINIC ACID)
(CHEMISTRY, ANALYTICAL)
(BACTERIOLOGICAL TECHNIQS)

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara

Use of artificial media for the differentiation of type of
tubercle bacilli. Gruzlica 30 no.7:615-625 '62.

1. Z Zakladu Mikrobiologii Instytutu Gruzlicy Kierownik:
doc. dr M. Buraczewska Dyrektor: prof. dr med. W. Jaroszewicz.
(MYCOBACTERIUM TUBERCULOSIS) (CULTURE MEDIA)

TUSZYNSKI, J.

TEC NOLOGY

PERIODICAL: POHLARY, AUTOMATYKA, KONTROLA. Vol. 4, No. 11, Nov. 1958

TUSZYNSKI, J. Methods of precision measurement of magnetic induction for testing
the aging of permanent magnets. p. 488.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April 1959, Unclass.

TUSZYNSKI, J.

TECHNOLOGY

Periodicals: TECHNIKA LOTNICZA. Vol. 13, no. 4, July/Aug. 1958

TUSZYNSKI, J. The prewar activities of Technika Lotnicza. p. 112

Monthly List of East European Accessions (EEAI) LC, Vol.8, No. 2,
February 1959, Unclass.

TUSZYNSKI, Jan, mgr.inz.

Limited mechanization in the machine building industry. Przegl
techn no.52:3,4 28 D '60.

MANCZAK, Kazimierz; TUSZYNSKI, Kazimierz

Extremal regulation and control. Pt. 2. Its application.
Przem chem 41 no.2:57-59 F '62.

1. Zaklad Automatyki, Polska Akademia Nauk, i Zaklad
Automatyzacji, Instytut Chemii Ogolnej, Warszawa.

TUSZYNSKI, Kazimierz; BERKA, Mieczysław

Mathematical machines in chemistry. Przem chem 39 no.11:684-688
'60.

1. Instytut Chemii Ogólnej, Warszawa

GORAL, Roman; KORZENIOWSKI, Andrzej; TUSZYNSKI, Krzysztof

Artificial respiration apparatus for the "mouth-to-mouth"
method. Pol. przegl. chir. 36 no.7:901-903 Je '64.

1. Z II Kliniki Chirurgicznej Akademii Medycznej w Poznaniu
(Kierownik: prof. dr R. Drews).

MANCZAK, Kazimierz; TUSZYNSKI, Kazimierz

Extremal control and regulation. Pt. 2. Application.
Przem chem 41 no.2:57-59 F '62.

1. Zaklad Automatyki, Polska Akademia Nauk, Warszawa 1
Zaklad Automatyzacji, Instytut Chemii Ogolnej, Warszawa

P/014/60/039/011/005/009
A221/A026

AUTHORS: Tuszyński, Kazimierz; Berka, Mieczysław

TITLE: Mathematical Computers in Chemistry

PERIODICAL: Przemysł Chemiczny, 1960, Vo. 39, No. 11, pp. 684 - 688

TEXT: In this article the authors outline the principles on which the application of analog and digital computers for control of technological processes are based. In the introduction they explain the difference between these two types of computers and what kind of work they can perform. One of the important differences is that for more complicated problems analog computers of larger size have to be used which, however, tend to lose accuracy, while size and properties of digital computers remain stable. At present, mathematical computers are more and more used for calculation of problems in chemical industry. As an example, the authors quote that in the Du Pont Company, USA, about 50% of heat-exchange calculations are performed by such machines. In order to characterise the scope of mathematical computers, the authors list several problems which can be solved by them. Analog computers can deal with problems of sedimentation, mixing of liquids, heat flow, kinetics of chemical reactions, modelling of automatic control circuits, distillation, etc. Digital computers are more universal and can be used for calculation of proc-
Card 1/2 ✓

Mathematical Computers in Chemistry

P/014/60/039/011/005/009
A221/A026

esses, installations and even economic problems. They can deal with the following problems: calculation of the minimum degree of "deflegmation" (deflegmacji), chemical equilibria for multi-component systems, thermal cracking of hydrocarbons, alkylation in multi-stage reactors, calculation of distillation columns, reactors, pipelines, heat exchangers, etc. From these calculations the application of computers for process control was the next logical step. If the machine can calculate in a very short time the optimum value of dependent variables of the process, it is only necessary to adjust the output signals in such a way that they can directly affect the instruments controlling the parameters. The practical application principles are explained. For illustration of such procedures the authors produce two examples, a very simple one, viz. level regulation in a tank, and a more complicated one, viz. an automatic control of a rectification process. In the conclusion the authors point out that computers can be used only if the plant is fully automated beforehand and has an instrument servicing department, capable of maintaining all instruments in excellent working conditions. There are 3 figures and 1 photo.

ASSOCIATION: Instytut Chemii Ogólnej (General Chemistry Institute) Warsaw

Card 2/2

TUSZYNSKI, K.

SCIENCE

PERIODICAL: ROCZNIKI CHEMII, Vol 31, No 2, 1957

TUSZYNSKI, K. A. Blaszczyk's Automatyczna kontrola skladu gazow przemyslowych (Automatic Control in a Storehouse for Industrial Gases);
a book review. p. 748

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April 1959, Unclass

105 274-5, K.
POLAND/Chemical Technology. Chemical Products and Their
Application. Instruments and Automation.

H

Abs Jour: Ref Zhur-Khin., No 8, 1959, 27769.

Author : Tuszynski, K.

Inst :

Title : Metrological Characteristics of Continuous Gas Analyzers.

Orig Pub: Pomlary, Automat, Kontrola, 4, No 5-6, 223-226 (1958)
(in Polish with German and Russian summaries).

Abstract: The author discusses general questions pertaining to
the technology of automatic gas and liquid analysis,
e.g., classification of analyzers, their metrological
characteristics, sources of error, calibration methods,
and performance checks. -- Yu. Skorotskiy.

Card : 1/1

134

89143

152120

P/015/60/000/011/001/002
A076/A027

AUTHOR: Tuszyński, Wacław

TITLE: Shielding Glass Against X-Ray and Gamma-Ray Radiation - Part I

PERIODICAL: Szkło i Ceramika, 1960, No. 11, pp. 321 - 327

TEXT: The author describes the existing theories on the interaction between matter and radiation to derive theoretical and experimental principles for shielding material in general and shielding glass in particular, including the photoelectric absorption process, the scattering of electrons according to the Compton effect and the electron-positron pair production. Absorption coefficients are given for lead, aluminum, water etc. Photoelectric absorption coefficients are given for aluminum, iron, tin and lead. Dirac's quantum mechanics theory, the Klein-Nishina scattering formula and Thomson's scattering principle have been used to demonstrate the change of different absorption coefficients depending on the energy of various elements. There are 7 figures and 2 tables. (To be continued).

Card 1/1

15.2120

89114

P/015/60/000/012/001/002

A076/A027

AUTHOR: Tuszyński, Wacław

TITLE: Shielding Glass Againsts X-Ray and Gamma-Ray Radiation - Part II

PERIODICAL: Szkło i Ceramika, 1960, No. 12, pp. 353 - 360

TEXT: The author lists a number of formulae derived by J.A. Victoreen, F. Brewster and J. Kreidl, and also methods elaborated by the above scientists, which permit to calculate the absorption coefficient of various oxides used in the production of x-ray and gamma-ray radiation shielding glass. Further he describes the properties of x-ray and gamma-ray radiation shielding glass produced by the West German firm "Schott". The author concludes that the computation method for the lead equivalent is sufficient to determine the chemical composition of glass with optional lead equivalent, provided the degree of x-ray and gamma-ray radiation energy is known. The chemical composition of glass established by this method meets technological and lead-equivalent specifications. Proper control of raw materials and chemical combination will allow a reduction in thickness of glass plates. Such glass may also be used in nuclear engineering. There are 10 tables, 8 figures and 12 references: 4 Polish, 1 Czech, 2 Soviet, 4 English and 1 German.

Card 1/1

TUSZKIEWICZ, Alfred Roman; KOWALEWSKI, Jan; KOZYRSKA, Halina.

Leukergy in chronic circulatory insufficiency. Kardiolog. polska
1 no.1-2:70-73 1954.

1. Z II Kliniki Choroób Wewnętrznych AM w Lublinie. Kierownik:
Prof. dr med. Alfred Roman Tuszkiewicz.

(LEUKOCYTES,

leukergy in congestive heart failure)

(CONGESTIVE HEART FAILURE, blood in,
leukergy)

TUSZKIEWICZ, Alfred R.; SZMANEK, Dominik; CZARSKA, Zofia

Phosphatase-thymol index in the differential diagnosis of infectious hepatitis & mechanical jaundice. Polski tygod. lek. 14 no.2:73-75
12 Jan 59.

1. Z II Kliniki Chorob Wewnętrznych A. M. w Lublinie; kierownik: prof.
dr A. R. Tuszkiewicz. Lublin, II Klin. Chor. Wewn. A.M.

(HEPATITIS, INFECTIOUS, differ. diag.

obstruct. jaundice, value of phosphatase-thymol index (Pol))

(JAUNDICE, OBSTRUCTIVE, differ. diag.

~~infect.~~ hepatitis, value of phosphatase-thymol index (Pol))

(LIVER FUNCTION TESTS

phosphatase-thymol index in differ. diag. of infect.

hepatitis & obstruct. jaundice (Pol))

TUSZKIEWICZ, A.R., prof. Dr.

Morbidity of rural inhabitants. Zdrowie pub., Warsz. no.5:348-357
Sept-Oct 54.

(RURAL CONDITIONS,

in Poland, morbidity of inhabitants)

(PUBLIC HEALTH,

rural areas in Poland, analysis of morbidity)

TUSZKIEWICZ, Alfred R.; WYSOCKA, Felicja; SZEWCHYKOWSKI, Witold; BRYC, Zbigniew

Clinical picture of swamp fever in the Lublin province during 1955-1957.
Przegl. epidem., Warsz. 12 no.1:15-24 1958.

1. Z Działu Klinicznego Instytutu Medycyny Pracy i Higieny Wsi.
(LEPTOSPIROSIS, epidemiology,
swamp fever in Poland, clin. picture (Pol))

Excerpta Medica Sec 6 Internal Medicine Vol. 9/6 June 55

4031. ~~TUSZKIEWICZ A. R.~~ and SZEWCZYKOWSKI W. Inst. med. Pracy Wsi; II. ~~Klin. Chor. Wewnętrznych Akad. med., Lublin.~~ *Wyniki klinicznych badań traktorzystów. Results of clinical examination of tractor drivers ANN. UNIV. LUBLIN, SEC. D 1954, 8/19 (213-230) Tables 2
Ilus. 4

TUSZKIEWICZ, A.R.; OPIENSKA-BLAUTH, ZAJACZKOWSKA, H.

Determination of amino acids in urine in liver diseases. Polskie arch.med.wewn. 25 no.3a:527-528 '55.

1. II Klinika Chorob Wewnętrznych AM w Lublinie. Kierownik: prof. dr.med. A.R. Tuszkiewicz i Zakład Chemii Fizjologicznej AM w Lublinie Kierownik: prof. dr med. J. Opienska-Blauth.

(LIVER, diseases

diag., amino acids in urine, deter., chromatography)

(AMINO ACID, in urine

in liver dis., determ. chromatography)

(URINE

amino acids determ. in diag. of liver dis., chromatography)

(CHROMATOGRAPHY

amino acids in urine, in diag. of liver dis.)

TUSZKIEWICZ, A.R.: KRAWCZYNSKI, J: RYCAJ, M: SZEMCZYKOWSKI, W.

Combined liver function tests in diagnosis and prognosis of liver diseases. Polskie arch.med.wewn 25 no.3a:593-606 '55.

1. II Klinika Chorob Wewnętrznych AM w Lublinie Kierownik: prof. dr med. A.R. Tuszkiewicz Centralne Laboratorium PSK w Lublinie Kierownik: dr med. J Krawczynski.

(LIVER, diseases
diag.,combined liver funct. tests)

(LIVER FUNCTION TEST
combined, diag.value)

OPIEWSKA-BLAUTH, J.: TUSZKIEWICZ, A.R.: KOBYLANSKA, A.

Investigations on the behavior of the level pyruvic acid in blood after loading with glucose in liver diseases. *Polskie arch.med.wewn.* 25 no.3a:607-611 '55.

1. Zakład Chemii Fizjologicznej AM w Lublinie Kierownik: prof. dr med. J. Opiewska-Blauth i II Klinika Chorob Wewnętrznych AM w Lublinie Kierownik: prof. dr med. A.R. Tuskiewicz.

(LIVER, diseases

diag., pyruvic acid level determ. in blood after admin. of glucose)

(BLOOD

pyruvic acid determ. after admin. of glucose, diag. of liver dis.)

(PYRUVATES, in blood

pyruvic acid determ. after admin. of glucose, diag. of liver dis.

(GLUCOSE, effects

on pyruvic acid level in blood, determ. in diag. of liver dis.

TUSZKIEWICZ, A.R.; KRYSOSIAK, J.J.

Protein fractions in blood serum in various liver diseases determined by paper microelectrophoresis. Preliminary report. Polskie arch.med.wewn. 25 no.3a:612-615 '55.

1. II Klinika Chorob Wewnętrznych AM w Lublinie, Kierownik: prof. dr med. A.R. Tuszkiewicz Zakład Chemii Fizjologicznej AM w Lublinie Kierownik: prof.dr med. J. Opfenska-Blauth.

(LIVER, diseases

diag., protein fractions in blood, determ., micro-electrophoresis)

(BLOOD PROTEINS, in various diseases

liver. dis., diag., deter., micro-electrophoresis)

(ELECTROPHORESIS

micro-electrophoresis of blood protein fractions in diag. of liver dis.)

~~TUSZKIEWICZ, Alfred Roman~~
PAKIEWICZOWA, Stanisława; TUSZKIEWICZ, Alfred Roman

Acute porphyria, with report of a case. Neur. &c. polska 7 no.1:
1-16 Jan-Feb 57.

1. Z Kliniki Neurologicznej A. M. we Wrocławiu. Kierownik: prof.
dr. med. R. Arend i z II Kliniki Chorob Wewnętrznych A. M. w Imbrinie.
Kierownik: prof. dr. med. A. Tuszkiewicz.
(PORPHYRIA, case report,
(Pol))

TUSZKIEWICZ, A.R.; SZEWCHYKOWSKI, W.

Clinical picture of chronic brucellosis in Poland. Polski
tygod. lek. 12 no.10:341-346 4 Mar 57.

1. (Z Działu Klinicznego Instytutu Medycyny Pracy i Higieny
Wsi w Lublinie; kierownik: prof. dr. A. R. Tuszkiewicz).
Adres: Lublin, ul. Ogrodowa 4, Inst. Med. Pracy i Higieny Wsi.
(BRUCELLOSIS,
in Poland, clin. manifest., review (Pol))

TUSZKIEWICZ, Alfred Roman

KRACZYNSKI Jęzzy, TUSZKIEWICZ, Alfred Roman

Brdicka's polarographic reaction as a diagnostic test in liver diseases. Polskie arch.med.wewn. 25 no.3a:616-620 '55.

1. Centralne Laboratorium Kliniczne PSK w Lublinie.Kierownik:
dr med. J. Krawczynski, II Klinika Chorób Wewnętrznych AM w
Lublinie.Kierownik: prof.dr med. A.R. Tuszkiewicz.

(LIVER, diseases

diag., Brdicka's polarographic test)

TUSZKIEWICZ, Alfred Roman; BORKOWSKI, Tomasz

Chromatographic modification of galactose test in evaluation of liver function. Polskie arch.med.wewn. 25 no.3a:621-626 '55.

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tolerance in liver funct.test, chromatographic modification)

(LIVER FUNCTION TEST

galactose tolerance, chromatographic modification)

(CHROMATOGRAPHY

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(BRUCELLOSIS, epidemiology,
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(OCCUPATIONAL DISEASES,
in tractor operators)

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joints)

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brucellosis)

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in tractor drivers)

(PELVIS, pathology
in tractor drivers)

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tractor operation, eff. on spine & pelvis)

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(JOINTS, diseases

differ. diag. by determ. of blood antistreptolysin level
(Pol)

(ANTISTREPTOLYSIN, in blood

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(TUBERCULOSIS, MENINGEAL, diag.

Coombs test & Middlebrook-Dubos test, value (Pol))

(HEMAGGLUTINATION

Coombs test & Middlebrook-Dubos test, diag. value in meningeal tuberc. (Pol))

(TUBERCULOSIS, immunol.

Middlebrook-Dubos test, diag. value in meningeal tuberc. (Pol))

(HEMOLYSIS

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J.Parnas.

(TUBERCULOSIS, MENINGEAL, cerebrospinal fluid in,
incomplete antibodies)

(ANTIGENS AND ANTIBODIES,
tuberc. incomplete antibodies in tuberc. meningitis)

(CEREBROSPINAL FLUID, in various diseases,
tuberc., meningeal, incomplete specific antibodies in)

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F/002/60/000/003/002/003
D001/D101

AUTHORS: Kosiński, Jerzy, and Tuszko, Aleksander

TITLE: On the organization of research and planning problems
in the USSR

PERIODICAL: Nauka Polska, no. 3, 1960, 152-172

TEXT: In this article the authors present their own impressions and observations perceived as the result of personal contacts with representatives of central and regional Soviet scientific bodies during their official visit to the USSR. The most vivid impression which struck the authors is the extensive cooperation between science and the producing industry. In 1959 there were about 3,200 scientific outposts and institutions in the USSR employing about 300,000 scientific workers. About 50% of them were employed by scientific research institutes and 140,000 by 800 university-type schools. Scientific outposts in the USSR are grouped around: (1) The USSR Academy of Sciences, which is the highest scientific authority in the country; (2) University-level schools; (3) Industry. ✓

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On the organization of research...

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The largest organization is the Academy; it employs about 20% of all scientists in the USSR including over 400 academy members (academicians) and about 18,000 scientific workers appointed to over 200 Academy scientific outposts. Apart from the USSR Academy, there are also Academies of Sciences in the 13 republics forming the Soviet Union with about 750 academicians and 10,000 scientific workers. Medicine, agriculture, and building and architectural problems are dealt with by respective separate academies, employing jointly about 14,000 scientists. The USSR Academy working plan includes about 5,000 items, of which an integral part consisted of about 90 problems of principal importance and of which 30 were selected as the leading ones. The second group comprises the university-level schools which employ about 140,000 scientific workers of which 45% have scientific titles or degrees. Research laboratories of this group solved about 30,000 research problems in 1959, of which 1,500 were classified as important. Three hundred problems of particular importance for the national economy were investigated on government request. The third group of research institutions comprises the industrial scientific institutes, called "branch institutes",

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tackling problems concerning mainly the respective branches of industry. These institutes employ about 25% of the total number of scientific workers available in the USSR and many thousands of engineers, designers, technologists, etc., as well. It is difficult to present more accurate figures concerning this group, because, following the reorganization of some ministries in the USSR a few years ago, these institutions too, are actually in the state of reorganization. These outposts are now subordinate either to the scientific-technical branch committees (like the Automation and Machine Construction Committee, Chemistry Committee, Radioelectronics Committee, etc.), to the USSR and Republic Planning Commissions or to the National Economy Councils. The USSR Planning Commission employs about 20,000 scientific workers and the Committee for Chemistry also about 20,000, and so on. In general, all these institutions have their own design and technological offices and in the majority of cases workshops and prototype experimental laboratories as well. One can assume that all scientific outposts in the USSR employ (including technicians and auxiliary assistants) over a million scientific workers. There are two main tendencies in establishing

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the Academy of Sciences' trend of work. Industry advocates a more practical approach to problems by asking for ready-made standards, prototypes and processes directly applicable in industry; the other tendency backs new lines of theoretical research on basically important problems. As to research carried out within industry, the tendency prevails to join small individual plant laboratories into large, well-equipped research institutes. Planning and coordination of research work is carried out in the USSR on an established pattern. Each problem which is to be investigated is clearly defined and its reason and practical usefulness explained. For instance, the problem is as follows: To examine metal flow at 600-800°C. The purpose of this research project is to select materials for gas- and steam turbines which will be working at 600-800°C. Investigation plans are worked out in a series of standard stages as follows: (1) General investigation of the problem including an analysis of the actual state of knowledge concerning this problem both at home and abroad; (2) Preparation of theoretical and practical investigation and experimentation program and suggesting the

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On the organization of research...

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method which will have to be applied; (3) Carrying out the proposed theoretical, experimental and technical-economic investigation; (4) Designs for the construction of prototypes and models of automation equipment, installations and apparatus; (5) Testing of the above-mentioned assemblies; (6) Working out the specification or documentation for serial production of new systems of automation or new devices, and introduction into practice; (7) Checking of the technical economic effectiveness and preparing the final report for publication. Directives for carrying out research on the most important problems are sanctioned by the USSR Council of Ministers. An annual report of completed research work is sent back to the Planning Commission and Scientific Technical Committee which recommend them for industrial exploitation. If the problem is a complicated one and can't be solved by one institution, it is one of the Academy of Sciences' duties to coordinate research carried out by its various outposts. In particularly important cases, the Academy convenes scientific coordinating councils including representatives of universities, industrial institutes and industry. Research on polymers, for instance, is carried out by 150 outposts, subordinate to the

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USSR Academy of Sciences, Republic Academies, Ministry of Higher Education, the Committee for Chemistry and 124 central industrial plant laboratories, subordinate to several Councils of National Economy. One of the basic conditions for the proper functioning of research is the knowledge of scientific progress achieved by the USSR and foreign research institutions. This is looked after by a widely-branched information service carried out by Vsesoyuznyy Institut Nauchnoy i Tekhnicheskoy Informatsii (All-Union Institute of Scientific and Technical Information) "VINITI" for short, subordinate to the USSR Academy of Sciences and the Gosudarstvennyy Nauchno-Tekhnicheskii Komitet (State Scientific-Technical Committee) "GNTK" for short. Its publication the "Referativnyi Zhurnal" (Reference Journal) is the most complete source of the world's research documentation. In order to maintain a high caliber of the institutes' workers, a suggestion was put forward that one half of all posts should be gradually filled by the most capable university graduates and engineers designated by industry. After three years probationary period only 10-15% of the very best would be retained and the remainder

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D001/D101

replaced by a new influx; the 85-90% rejected persons would be redirected to industrial institutes for less important work. Following names of USSR scientists are mentioned in this article: Academicians N. N. Syemyonov, Secretary of Chemistry Department of the USSR Academy of Sciences, A. Blagovorov, I. Arbolevskiy, A. Minc, B. Stechkov, Corresponding member of the Academy, A. Kursh, Professor at Moscow University, and Elyutin, Minister of Higher Education. There are 2 Soviet references.

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3915

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It is suggested that, to prevent stoppages in processing plants, specially arranged dumps should be used instead of bins for storing coal. The dumps are divided into three sections adapted respectively to short, medium and long storing of coal. The arrangement of dumps, their size, and their layout in relation to the layout of the processing plant are discussed together with advantages and disadvantages.

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(COLLAGEN)

(COLLAGEN MUCOPROTEINASE)

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dr M. Buraczewska Dyrektor: prof. dr J. Misiewicz. Warszawa,
ul. Plocka 26.

(NICOTINIC ACID ISOMERS, effects,
isoniazid, on exper.tuberc., with PAS)
(PARAAMINOSALICYLIC ACID, effects,
on exper.tuberc., with isoniazid)
(TUBERCULOSIS, experimental,
eff. of isoniazid with PAS)

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara

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(MYCOBACTERIUM TUBERCULOSIS pharmacol.)

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(TUBERCULOSIS exper.)
(ISONIAZID pharmacol.)

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(NICOTINIC ACID ISOMERS, effects,

isoniazid on exper. tuberc., with streptomycin)

(STREPTOMYCIN, effects,

on exper. tuberc., with isoniazid)

(TUBERCULOSIS, experimental,

eff. of isoniazid with streptomycin)

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1. Aus dem Institut für Allgemeine Mikrobiologie der MCS-Universität zu Lublin.

(SOIL, bacteriology,
*diphtheroids)

(CORYNEBACTERIUM,
*diphtheroids in soil)

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara

Cytochemical reactions in differentiation of virulence of
Mycobacterium tuberculosis resistant and sensitivity to drugs.
Gruzlica 24 no.11:1093-1101 Nov 56.

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dr. M. Buraczewska. Dyrektor: prof. dr. J. Misiewicz.
(MYCOBACTERIUM TUBERCULOSIS,
virulence, differentiation in drug resist. &
sensitive strains (Pol))

TUSZYNSKA, Barbara

~~Comparative tuberculin tests in guinea pigs immunized with~~
lyophil vaccines from Brazilian, French and Danish BCG strains.
Gruslica 25 no.2:109-114 Feb 57.

1. Z Zakładu Mikrobiologii Instytutu Gruslicy w Warszawie
Kierownik: doc. dr. M. Buraczewska Dyrektor: prof. dr.
J. Misiewicz.

(BCG VACCINATION, exper.

comparison of lyophilized vaccines from Brazilian,
French & Danish determ. of allergizing properties of
Brazilian, French & Danish strains with tuberculin
test strains, tuberculin test in guinea pigs (Pol))

(TUBERCULIN REACTION,

determ. of comparative properties of lyophilized BCG
vaccines from Brazilian, French, & Danish strains in
guinea pigs (Pol))

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara.

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Kierownik: doc.dr M. Buraczewska. Dyrektor: prof. dr J.
Misiewicz. Warszawa, ul. Plocka 26.

(MYCOBACTERIUM TUBERCULOSIS, culture,
media, Sula's & Loewenstein-Jensen's comparison)
(CULTURE MEDIA,
Sula's & Loewenstein-Jensen's for M. tuberc.)

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara

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(MYCOBACTERIUM TUBERCULOSIS)

JANOWIEC, Mieczyslaw; TUSZYNSKA, Barbara

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1. Z Zakladu Mikrobiologii Instytutu Gruzlicy w Warszawie Kierownik: doc. dr M. Buraczewska Dyrektor: prof. dr med. W. Jaroszewicz.

(TUBERCULOSIS exper)

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Vol. 10, no. 3, May/June 1956

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Warszawa, Poland

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(VITAMIN B COMPLEX, metabolism,
synthesis, eff. of chloramphenicol.in rats (Pol))
(CHLORAMPHENICOL, effects,
on vitamin B complex synthesis (Pol))

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TUSZYŃSKA, S.

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577 16 B₆

Tuszyńska S., Myszkowska K., Wozniak W., Łukaszewska K. Microbiological Method of Determining Vitamin B₆ in Multivitamin Preparations

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min B₆ using ultraviolet rays is described together with optimal concentration of strain dispersion and the technique of homogeneous inoculation. As a means of saturating with oxygen, uniform shaking of samples was performed at constant temperature. This method makes it possible to determine the vitamin B₆ in multivitamin preparations containing large quantities of vitamin B (thiamine).

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